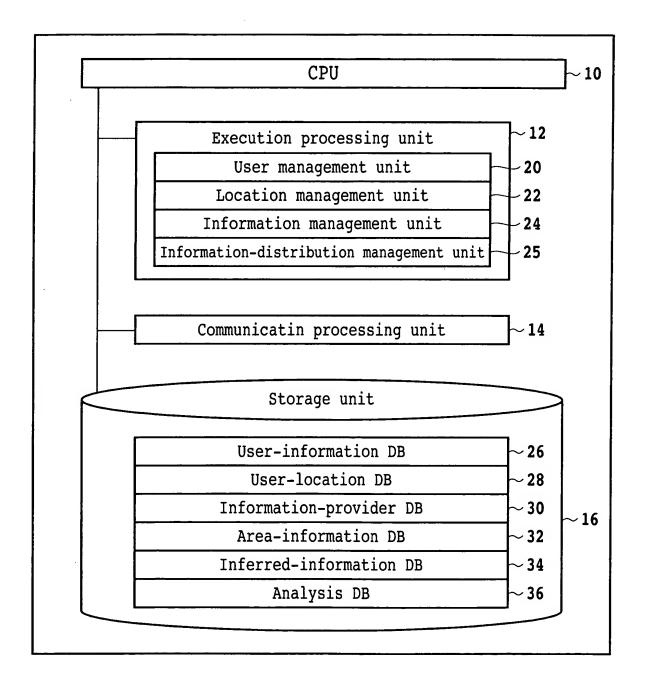
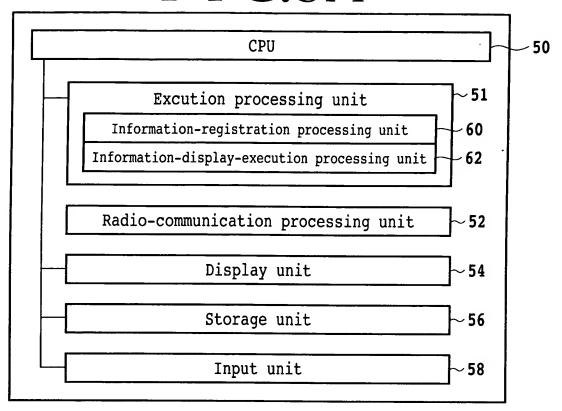


GW:Gate away
ASP:Application service provider

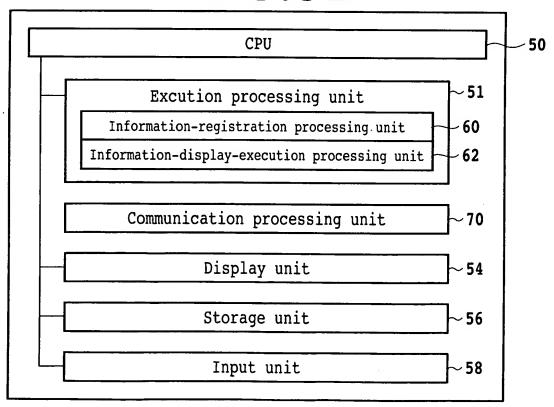
F I G.2



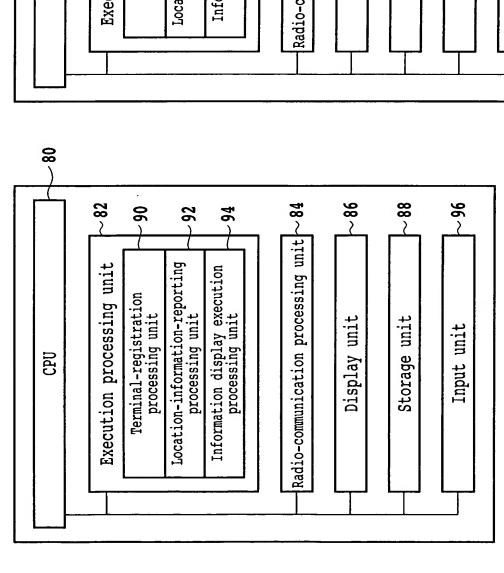
F I G.3A



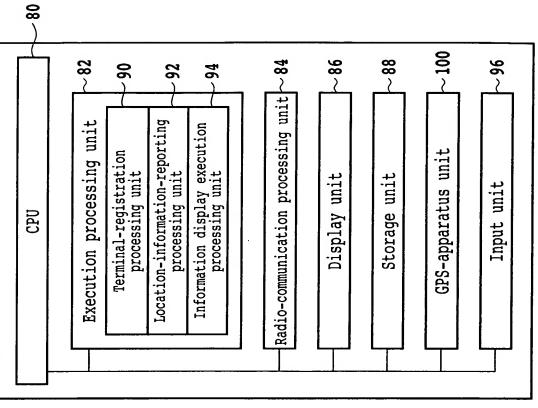
F I G.3B



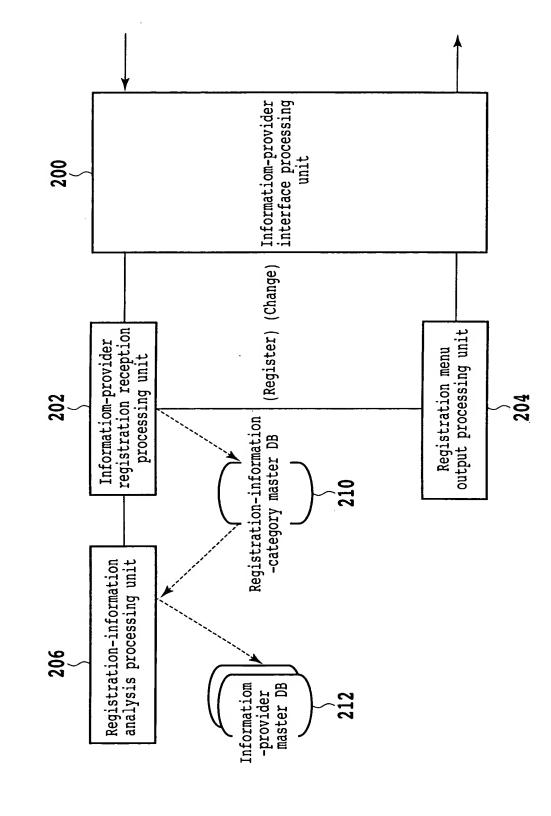
F I G.4A

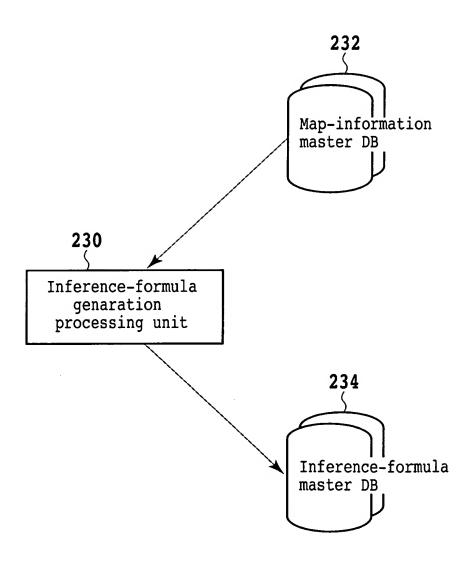


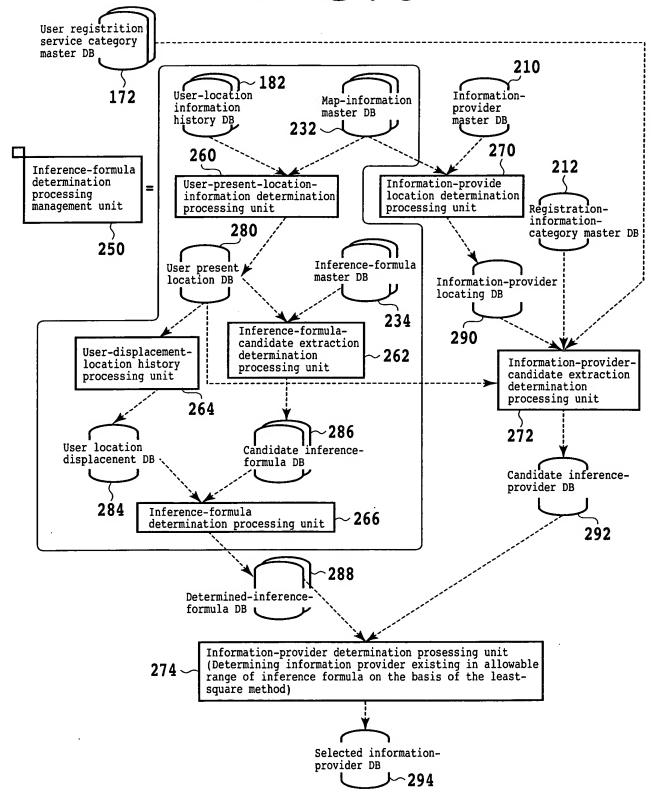
F I G.4B

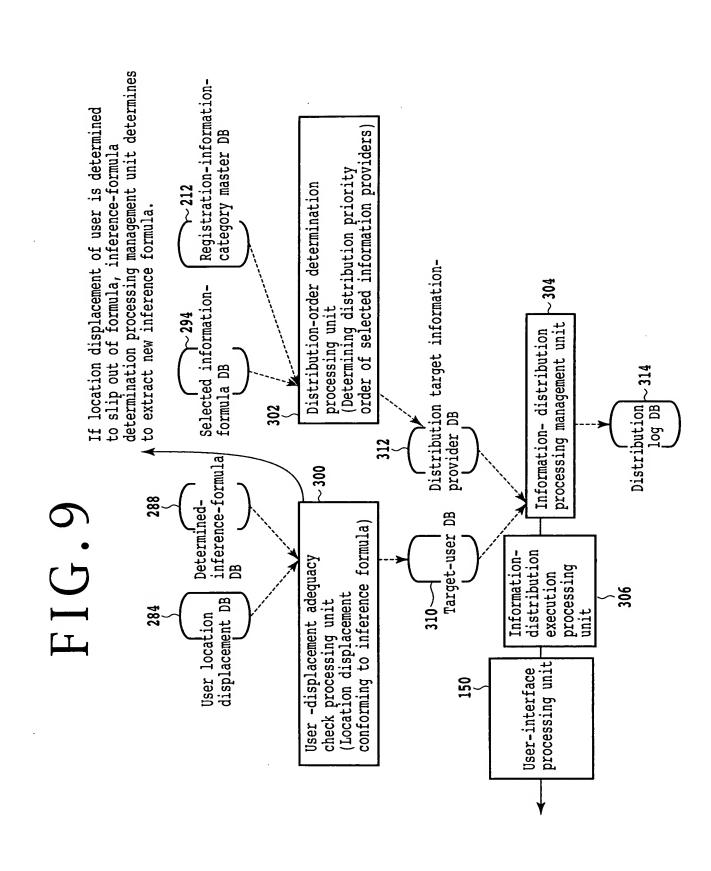


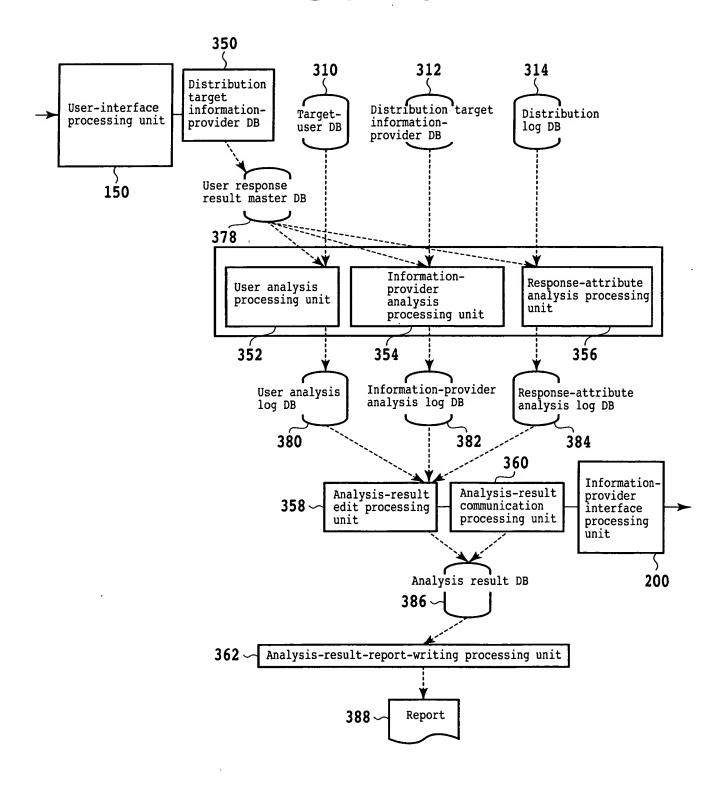
User registration User-location-information history management processing unit servicecategory User-location informartion history DB master DB analysis processing unit Registration-serivice 162 154 User-location FIG. 5 informartion master mașter DB 180 User B User-location-information reception processing unit (Change (Registration request) $\sim\!156$ processing unit -menu output processing unit Registration User-service 160 152 (Service registration) processing unit User-interface 150

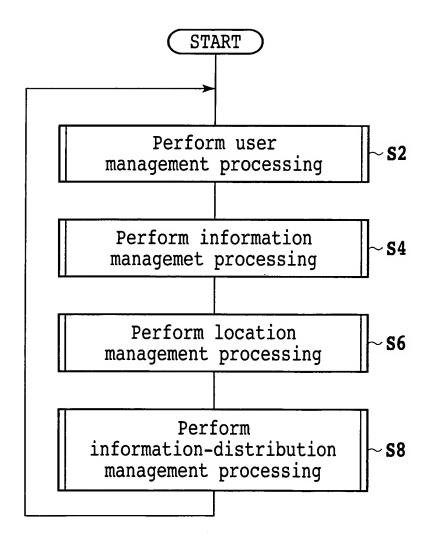


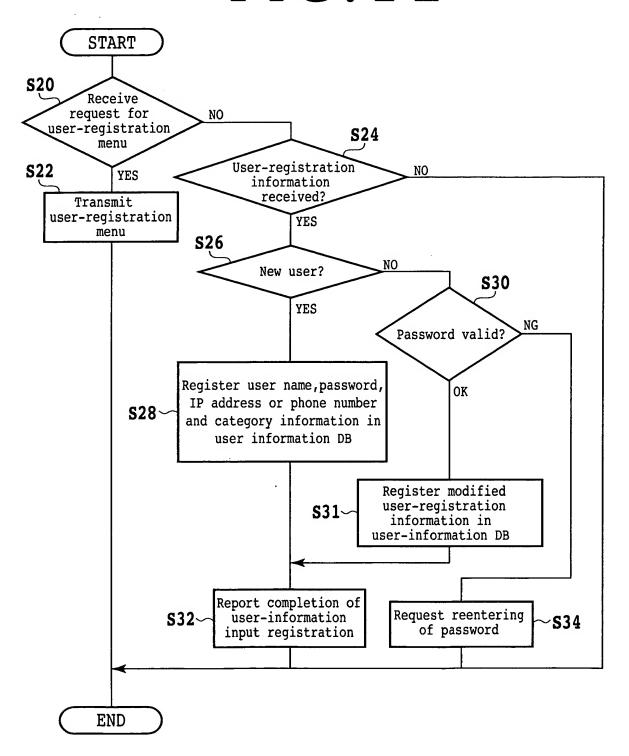


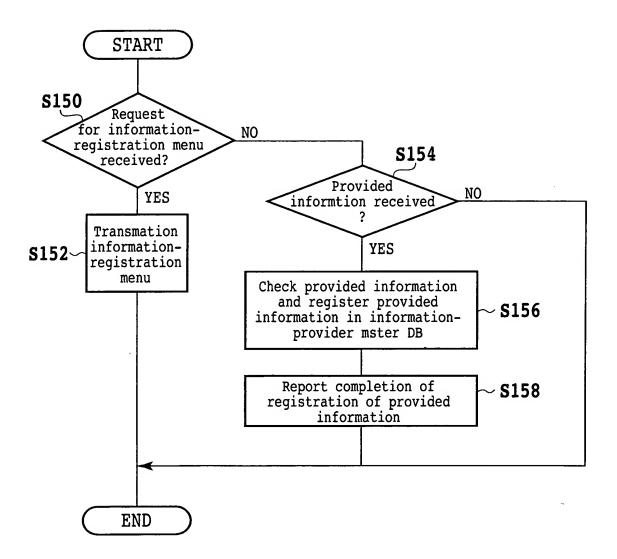


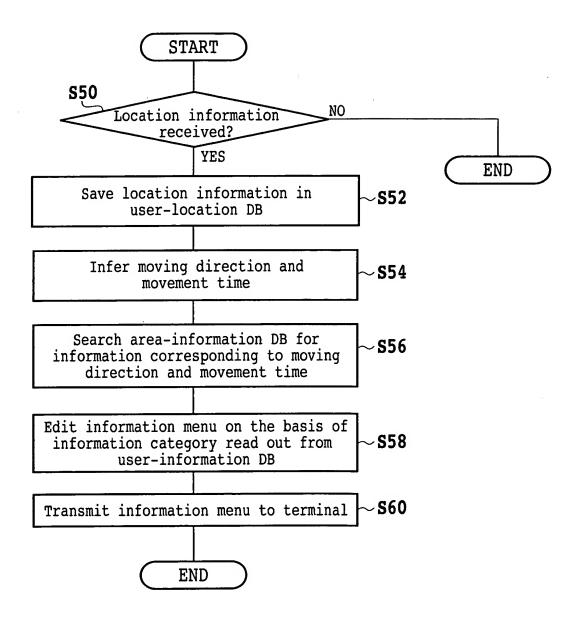


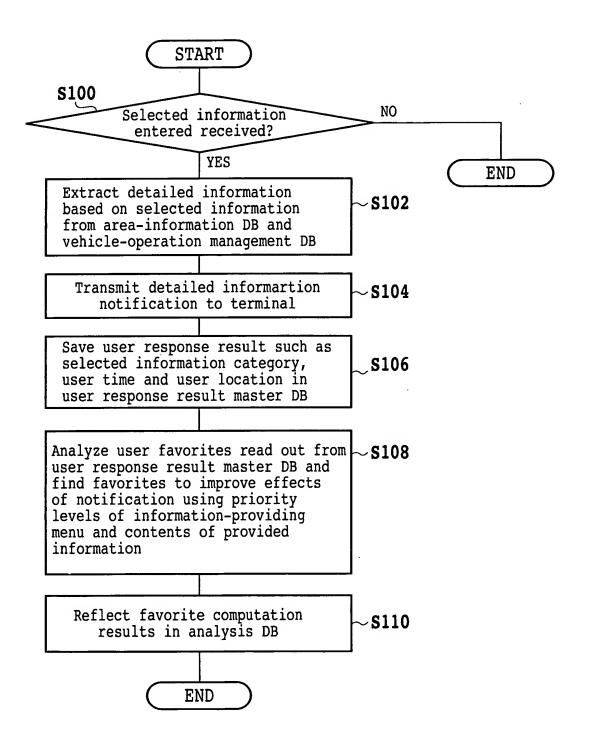


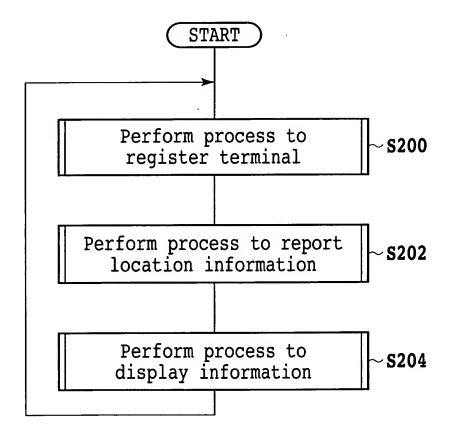


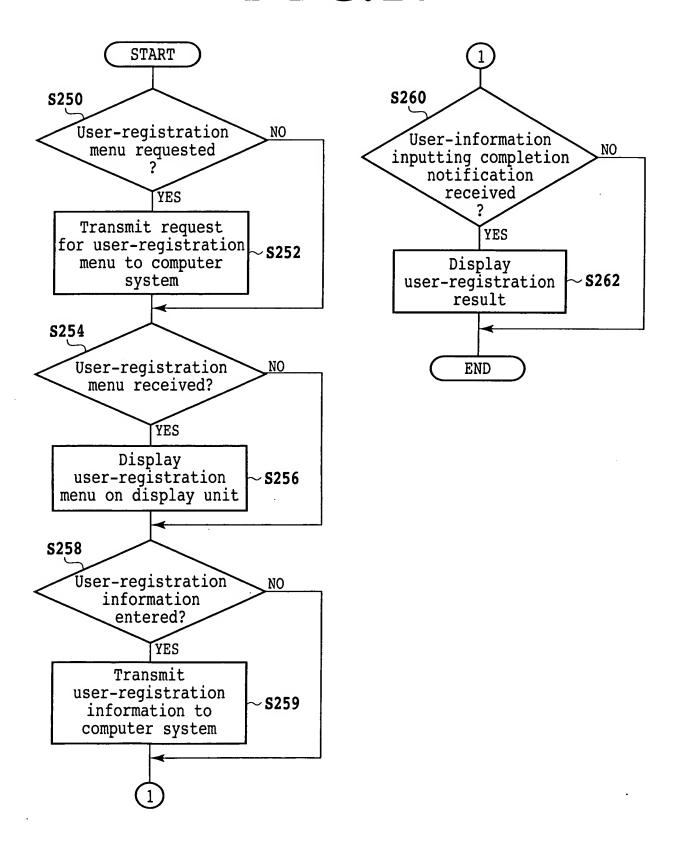


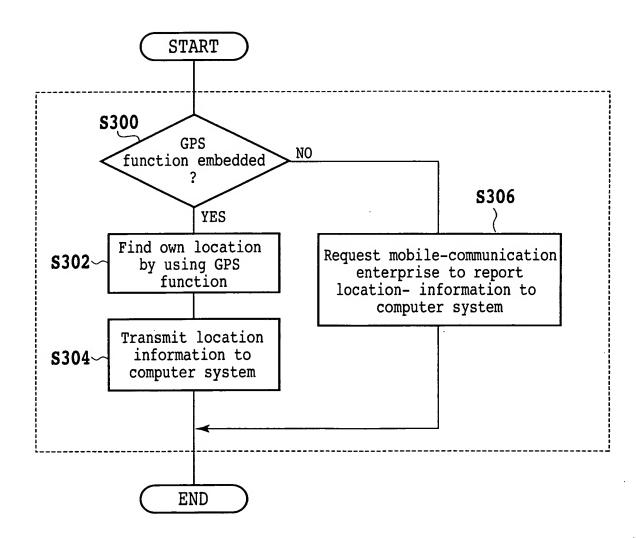


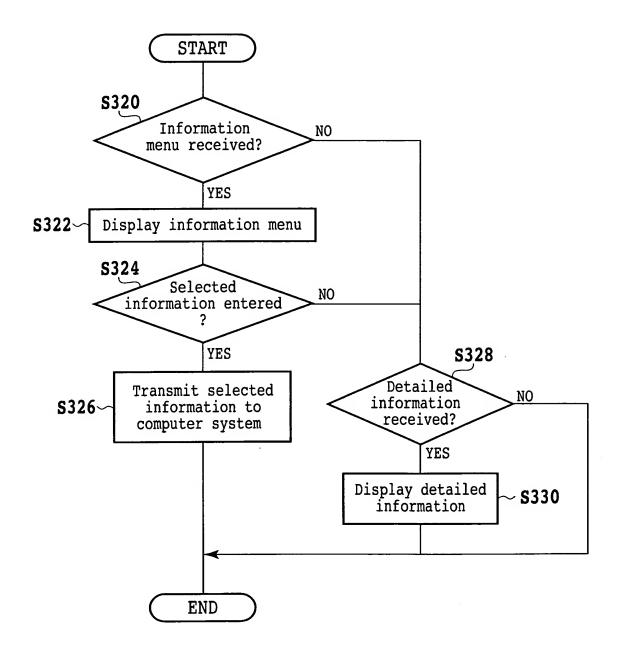


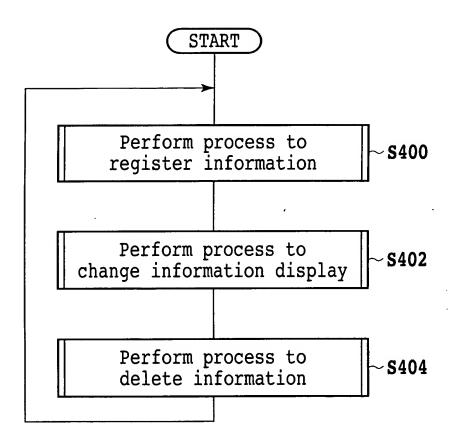


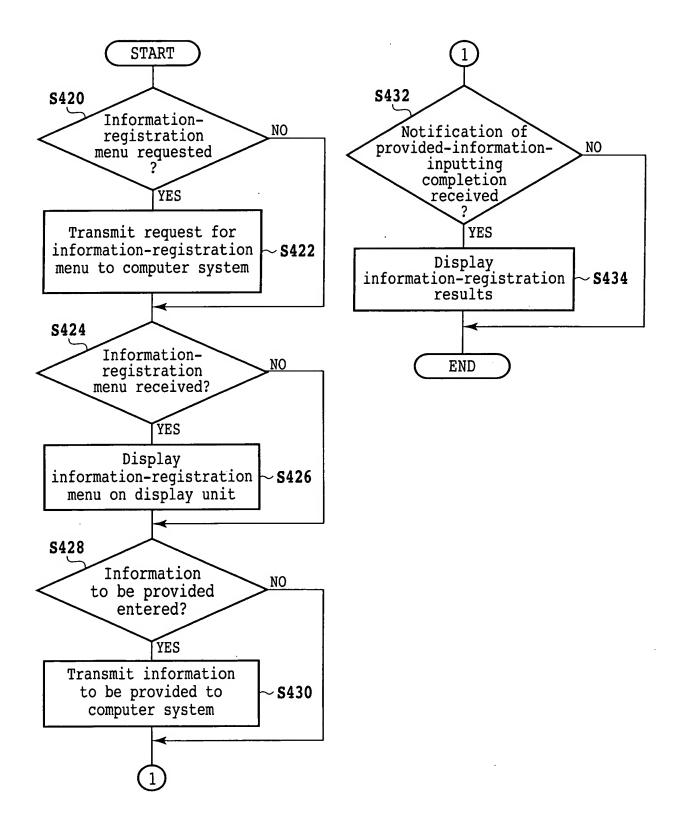


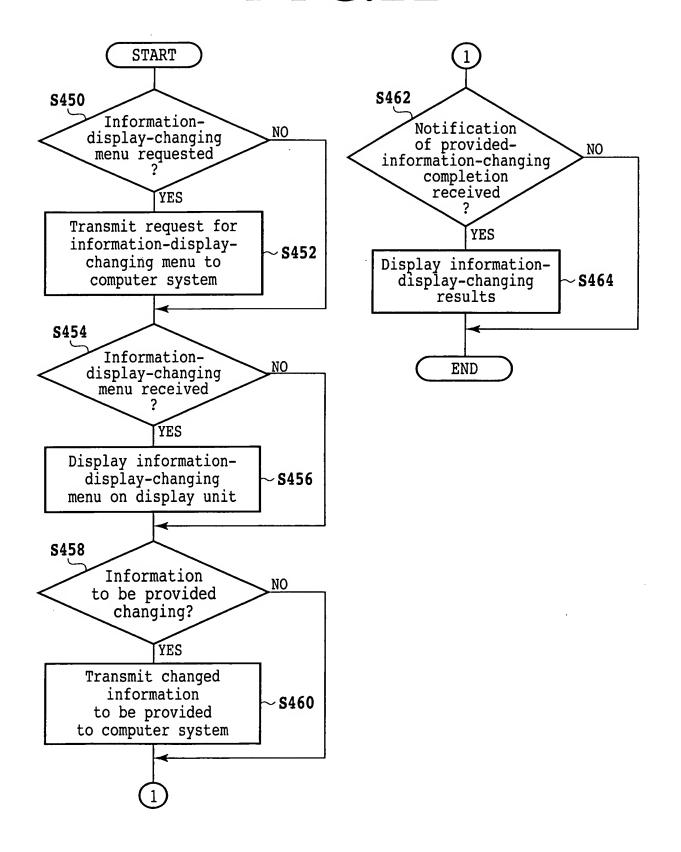


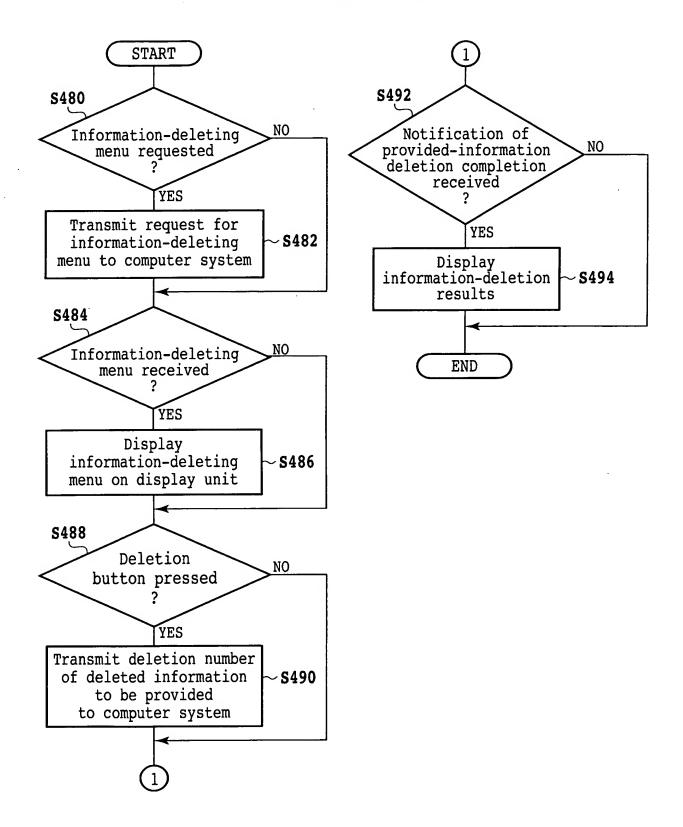












F I G.24A

Identification IP address or User-registation number (1) phone number menu

F I G.24B

Identification number (2)	IP address or phone number	Completion information	0:Normal completion
			1:Abnormal completion

F I G.24C

Identification	IP address or	Information
number (3)	phone number	menu

F I G.24D

Identification	IP address or	Detailed
number (4)	phone number	information

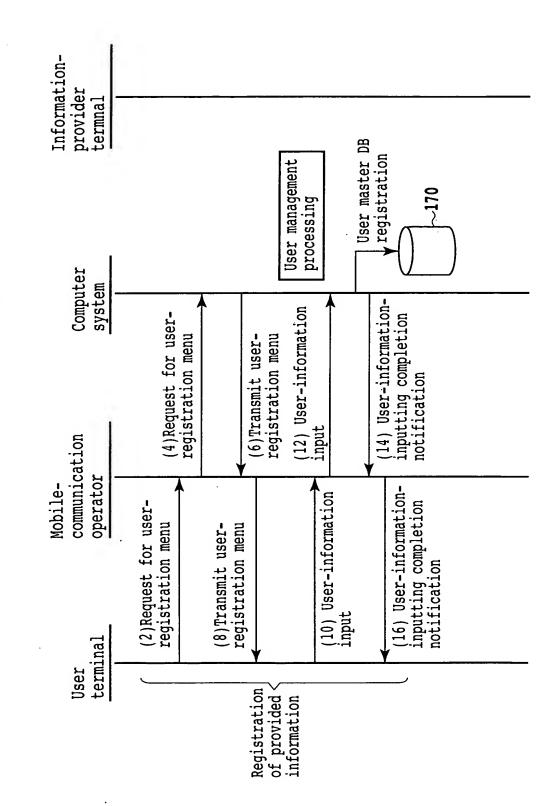
F I G.24E

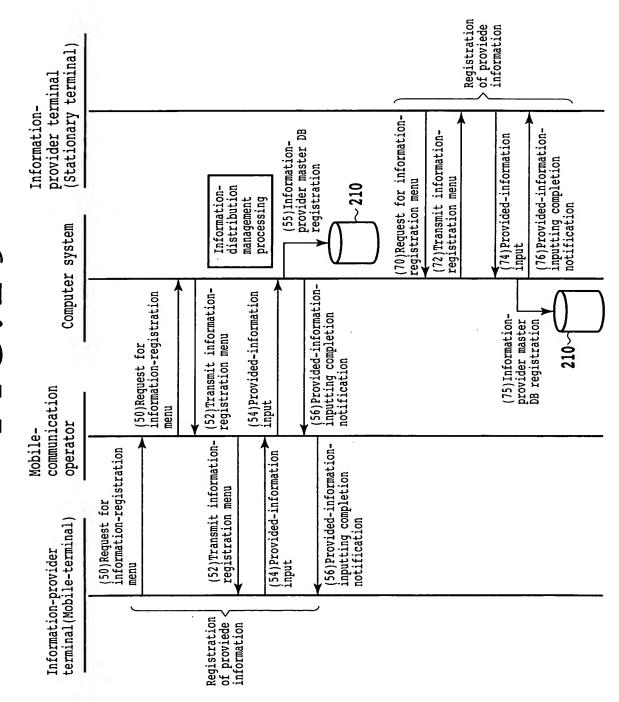
Identification	IP address or	Moving-destination
number (5)	phone number	information

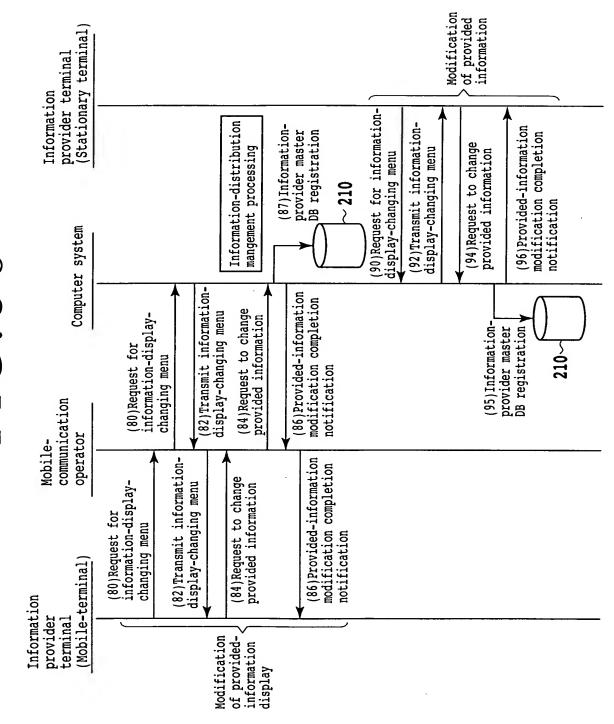
			0:Register	2:Change 3:Stop 4:Release 0:Normal	3 110 f
	Category	Time information			Service-request level
	Password	Location information (Longitude and latitude)	Selection		Start/stop identification
IP address or phone number	IP address or phone number	IP address or phone number	IP address or phone number	IP address or phone number	IP address or phone number
Requested identification number (1)	Requested identification number (2)	Requested identification number (3)	Requested identification number (4)	Requested identification number (5)	Requested identification number (6)
I G.25A	G.25B	G.25C	G.25D	G.25E	G.25F
FI	H	H	Щ	H	H

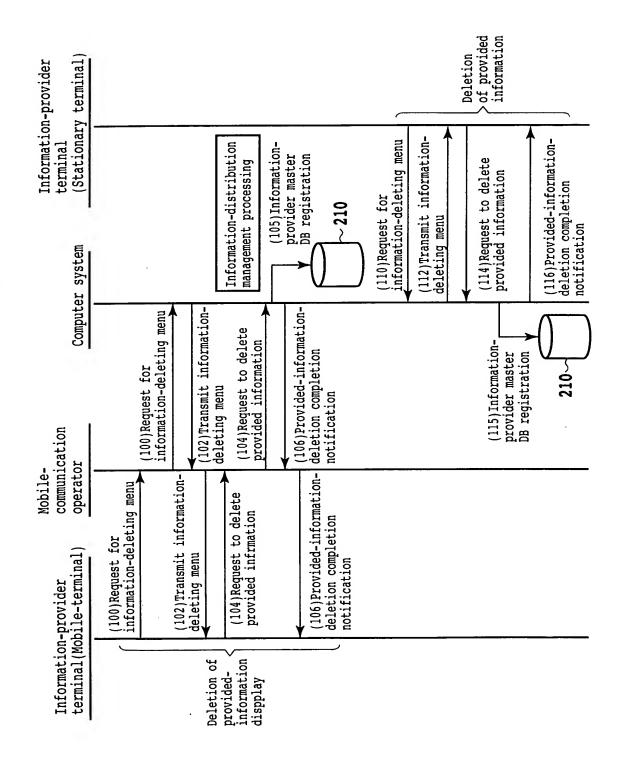
			Detailed information 1 to 999		0:Complete deletion 1 to 999:Information No.	
	Detailed information	Detailed information	Information No.	Deletion No.		
	Category information	Category	Category information	Category information		
	Password	Password	Password	Password		
Requested IP address or identification phone number (11)	Requested IP address or identification phone number (12)	Requested IP address or identification phone number (13)	Requested IP address or identification phone number (14)	Requested IP address or identification phone number (15)	Requested IP address or identification phone number (16)	Requested IP address or identification phone number (17)
F I G.27A	F I G.27B	F I G.27C	F I G.27D	F I G.27E	F I G.27F	F I G.27G

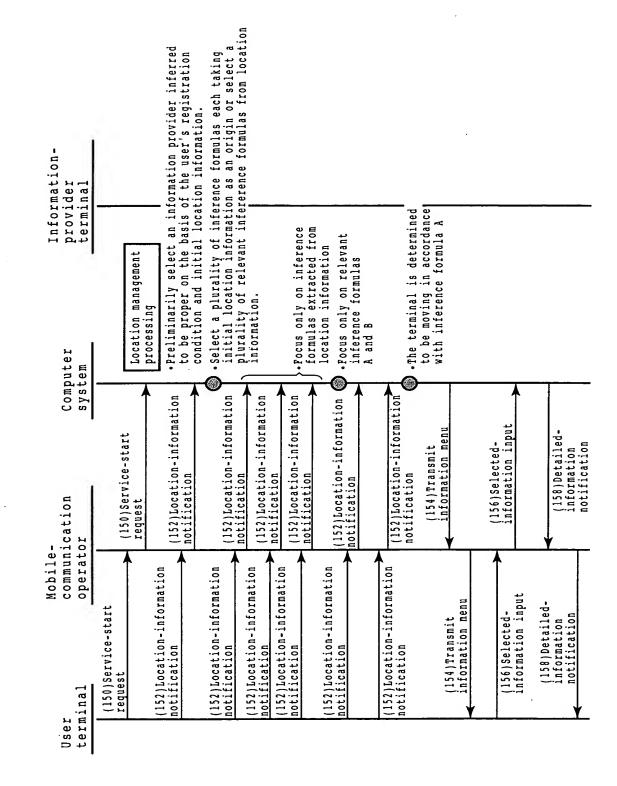
FIG.28

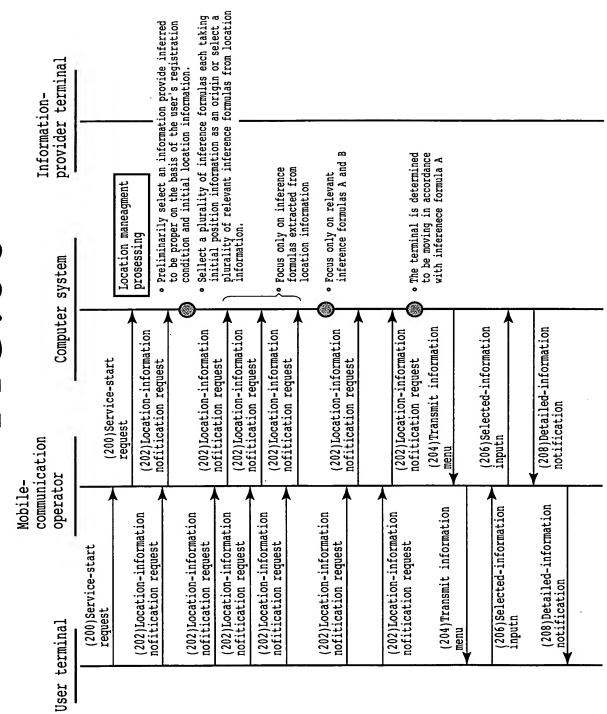




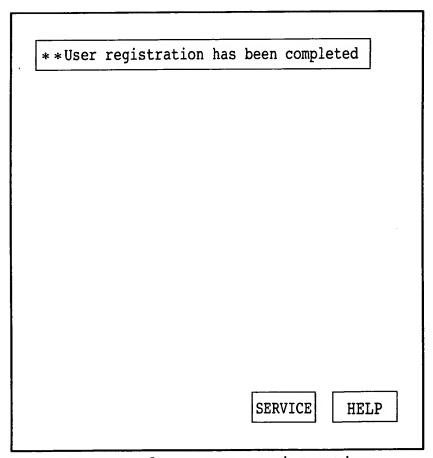








《User-registration menu》			
User name	ABC		
Password	****		
<pre></pre>			
	LIST URGENT		
REGISTER CANCEL	SERVICE HELP		



Screen after user registration

(Select menu)

information registration

information displaying and changing

information deletion

SERVICE HELP

Select menu screen

《Information-registration menu》									
User name	ABC								
Password	*****								
Traffic informati	on								
Shopping information									
Event information									
Restaurant inform	nation								
	LIST								
REGISTER CANCEL	SERVICE HELP								

Information-registration menu screen (Category inputting)

≪information menu»

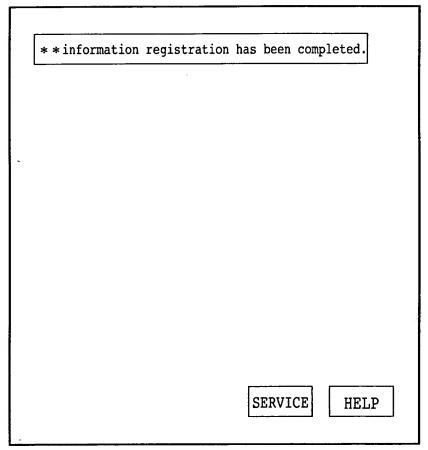
- 1 Traffic information
- 2 Train and bus information
- 3 Shopping information
- 4 Event information
- **5** Entertainment information

SERVICE

HELP

《Information-registration menu》	·
No.1 Today, at Oo shopping center, ×× products are put on sales only for	Enter — information here
100 customers on first-come, first-served basis. Address: 1-1-1 □□town, △△city Phone: xxx-yyy-zzzz	
☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐	
REGISTER CANCEL SERVICE HELP	

Information-registration menu screen (Detailed-information inputting)



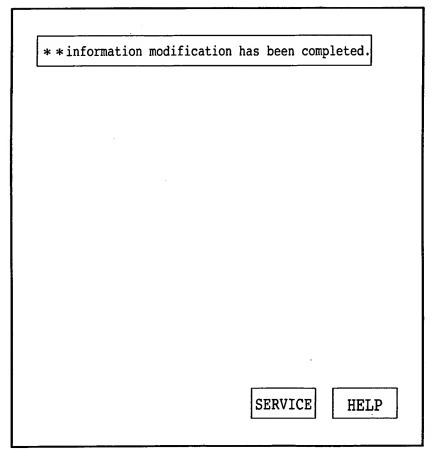
Screen after information registration

	User name	ABC					
	Password	*****					
0	Traffic informati						
ledo	Shopping informat	ion					
\bigcirc	Event information						
\bigcirc	Restaurant inform	ation					
		LIST	URGENT				

Information-displaying screen (Category selection)

《Information-display changing menu》									
Shopping information									
No.1									
Today, at ○○ shopping center, ×× products are put on sales only for 100 customers on first-come, first-served basis. Address: 1-1-1 □□town, △△city Phone: xxx-yyy-zzzz									
⟨□ □⟩ ↑ □ LIST									
CHANGE CANCEL SERVICE HELP									

Information-displaying screen (Detailed-information display)



Screen after information modification

《information deletion menu》									
User name	ABC								
Password	*****								
Traffic information Shopping information Event information Restaurant inform	cion								
DETERMINE CANCEL	SERVICE HELP								

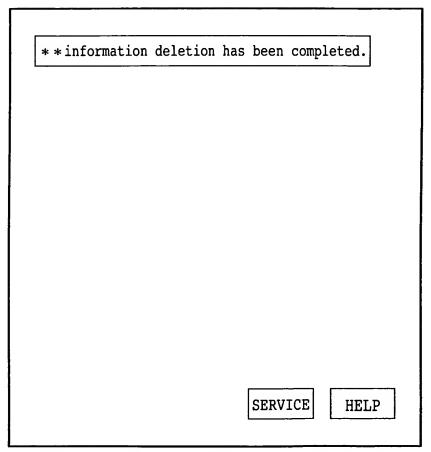
Information-deletion screen (Category selection)

≪information deletion menu»									
Shopping information									
No.1									
Today, at ○○ shopping center, ×× products are put on sales only for 100 customers on first-come, first-served basis. Address: 1-1-1 □□town, △△city Phone: xxx-yyy-zzzz									
☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐									
DELETE CANCEL SERVICE HELP									

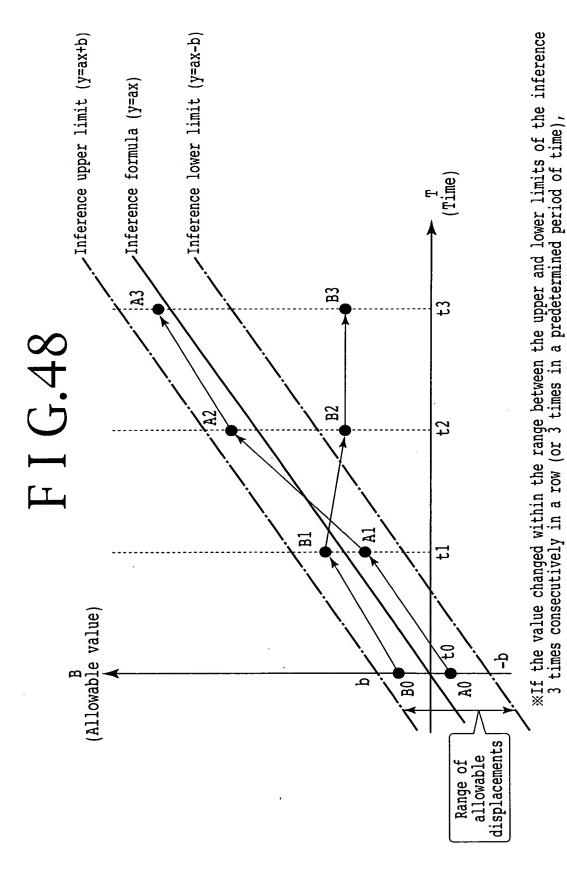
Information deletion screen (Detailed-information deletion)

《information deletion menu》								
Shopping information								
No.1								
Today, at ○○ shopping center, ×× products are put on sales only for 100 customers on first-come, first-served basis. Address: 1-1-1 □□town, △△city Phone: xxx-yyy-zzzz								
<pre></pre>								
⟨□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □								
DELETE CANCEL SERVICE HELP								

Information deletion screen (Detailed-information deletion)

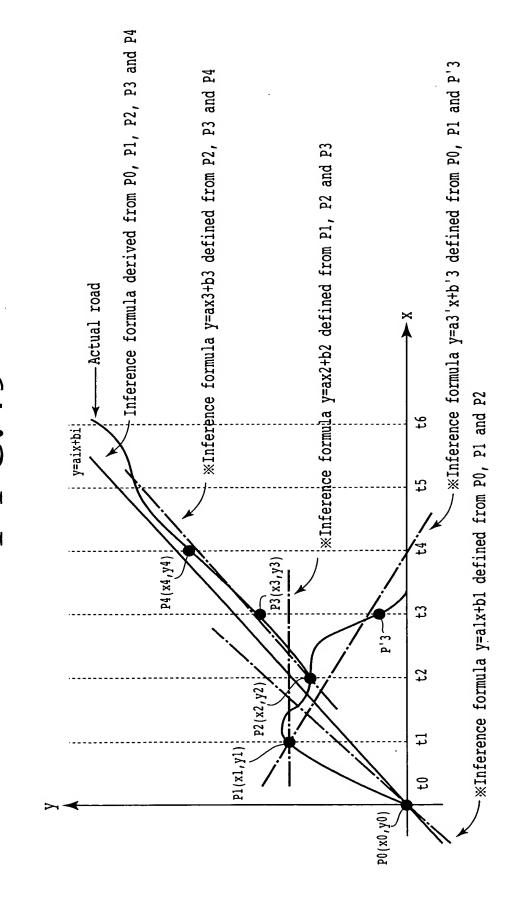


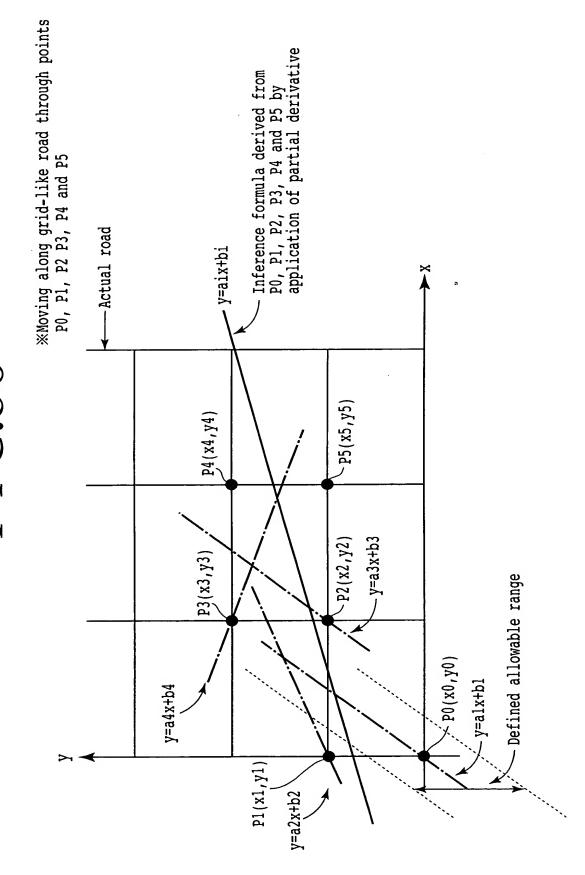
Screen after information deletion



 \Rightarrow it is possible to infer that the terminal (or the user) has been moving in a direction conforming to the inference formula (through a route of A0 \rightarrow A1 \rightarrow A2). \Rightarrow A movement of B0 \rightarrow B1 \rightarrow B2 \rightarrow B3 cannot be judged to be a movement conforming to the inference formula (A displacement of B2 \rightarrow B3 between times t2 and t3 can be inferred as a

fixed state).





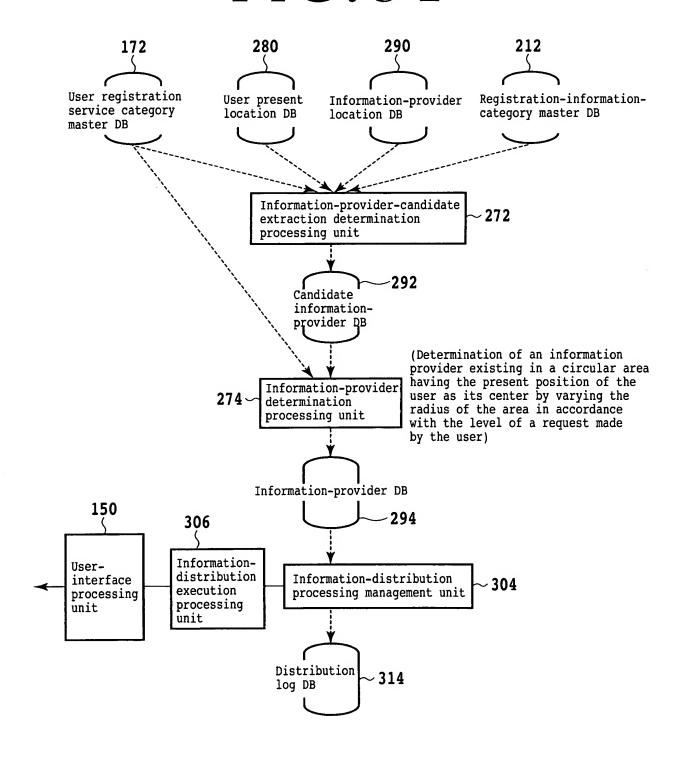


FIG.52A

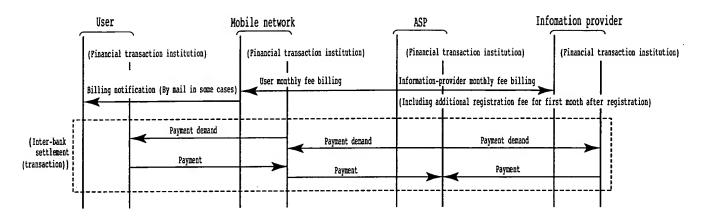


FIG.52B

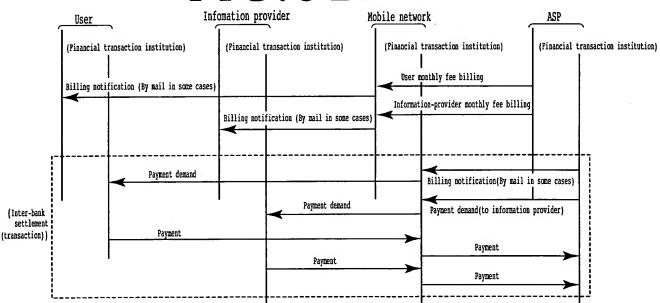
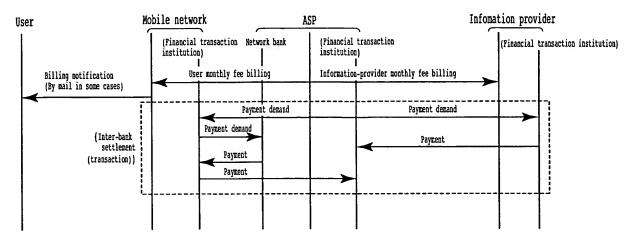
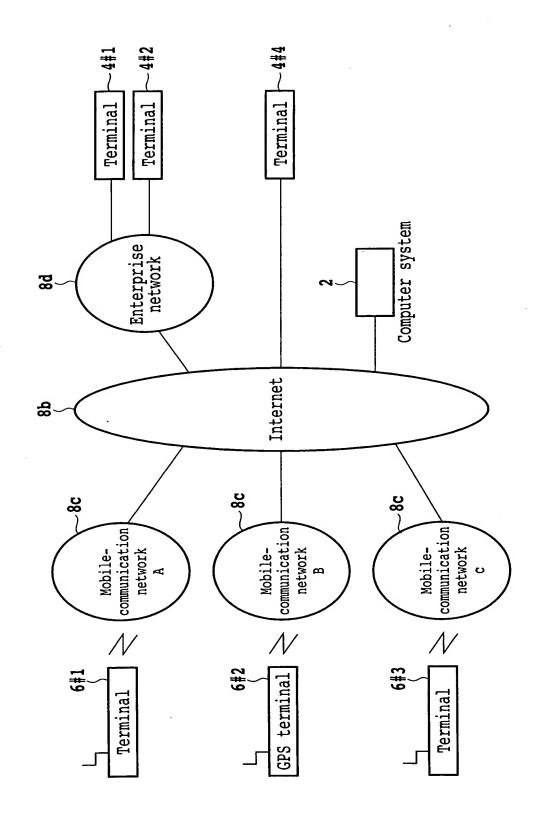
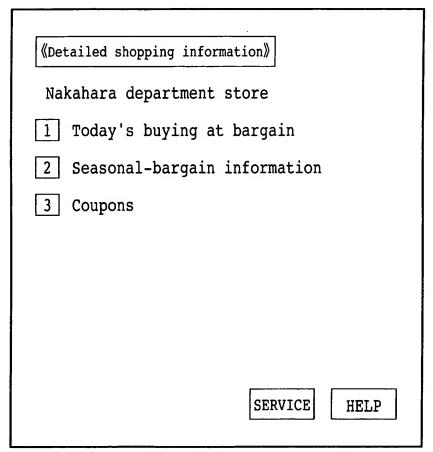


FIG.52C



F I G.53





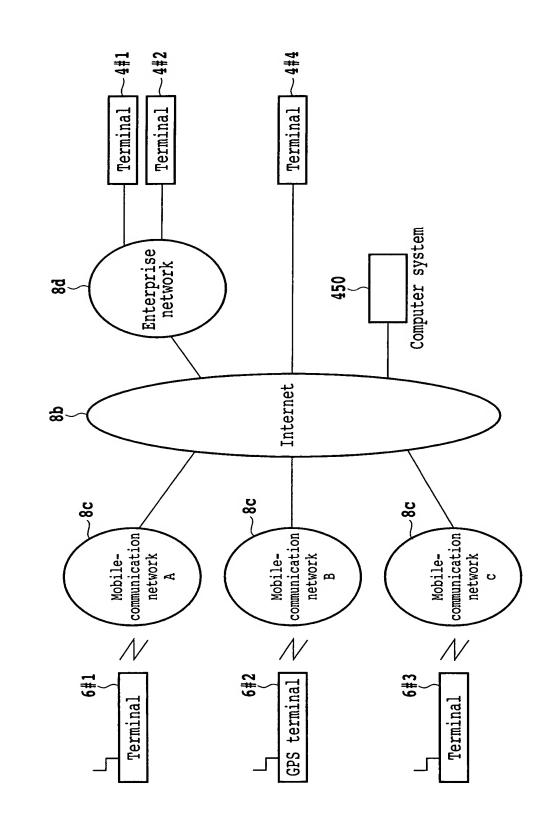
Detailed-information screen

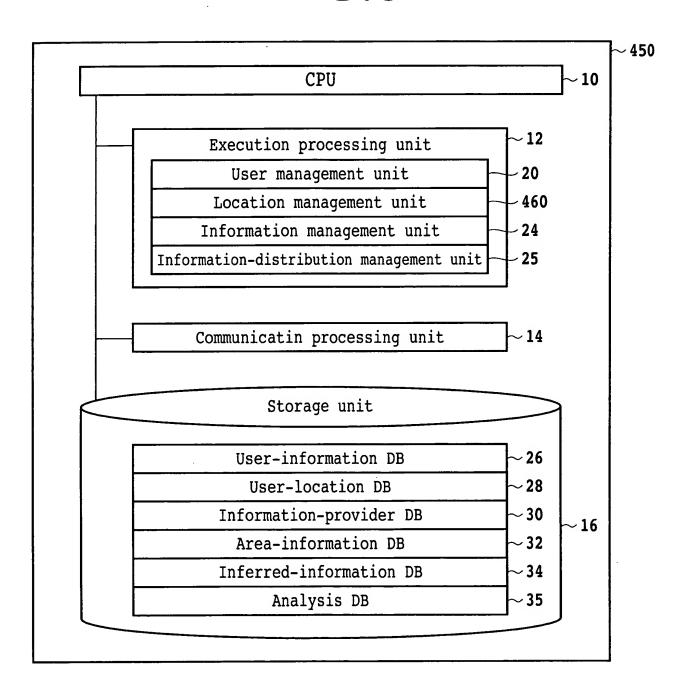
⟨Detailed traffic information⟩⟩
Traffic jam at distance of 5 km from Youga

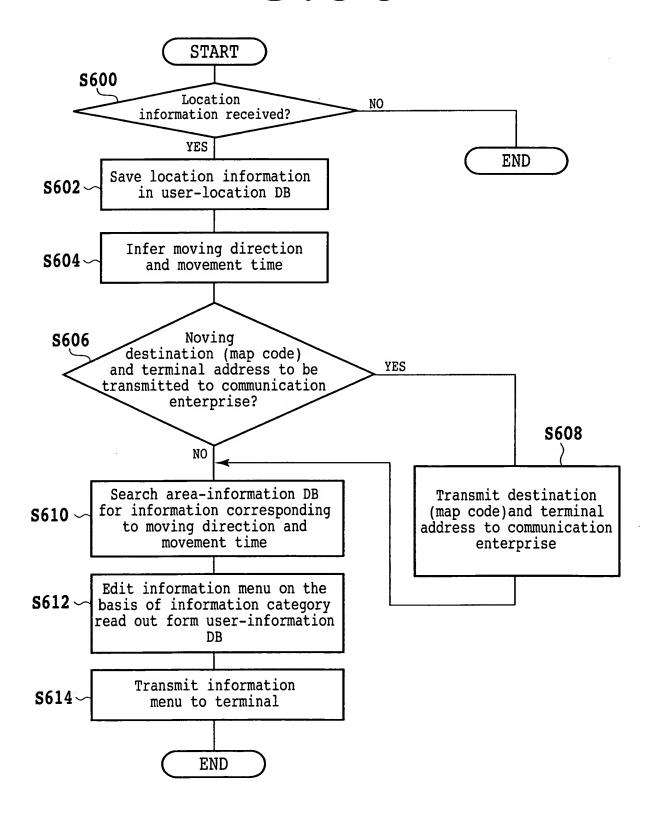
SERVICE HELP

Detailed-information screen

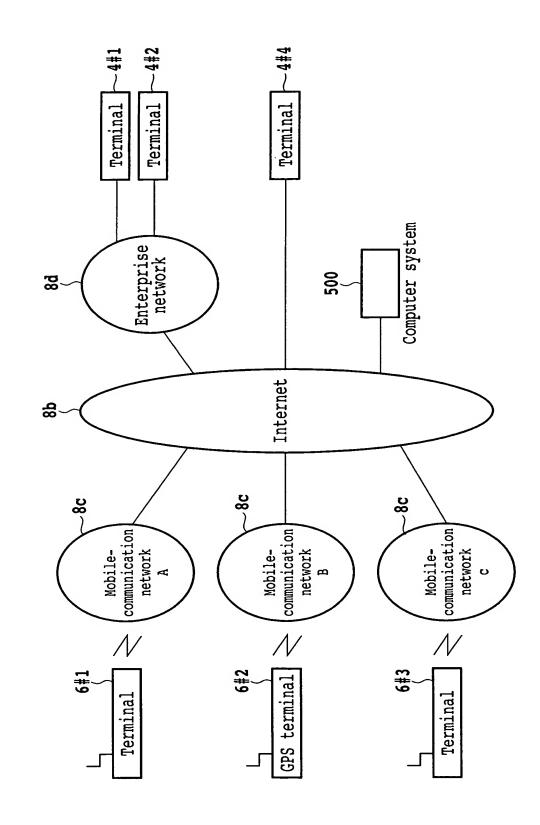
F I G.56

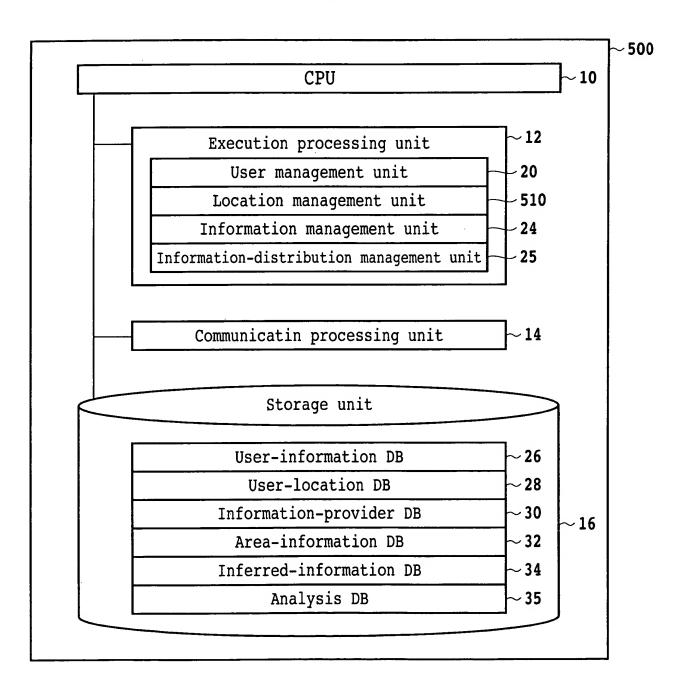


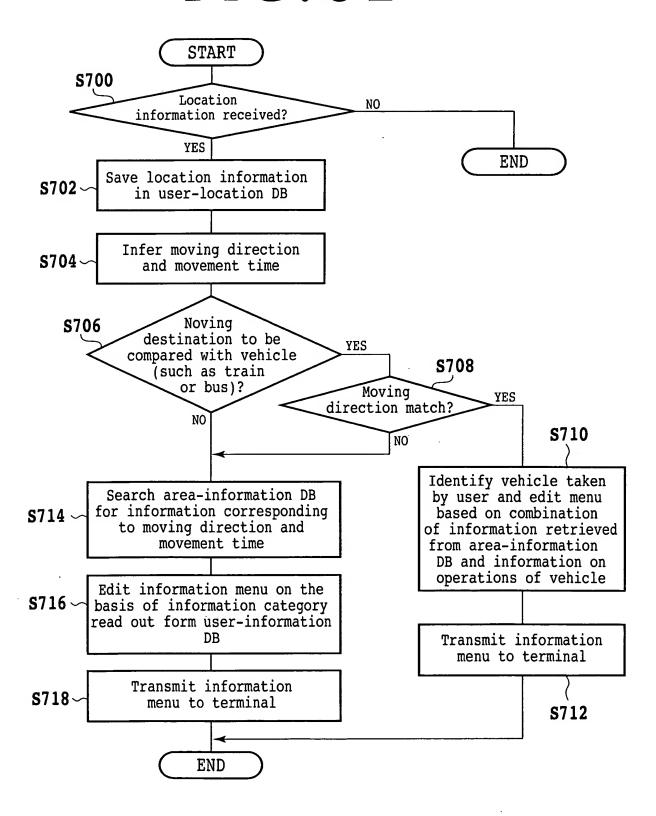




Information- provider terminal			ion provider inferred user's registration	nformation. formulas each taking	an origin or select a	בסוויותומס דוסיוו דסכמרוסיו								
1		Location managment processing	• Perliminarily select an information provider inferred to be proper on the basis of the user's registration	condition and initial location information. • Select a plurality of inference formulas each taking initial location information as an origin or select a plurality of relevant inference formulas from location information.		<pre>> Foucus only on inference formulas extracted from location information</pre>			• The terminal is determined to be moving in accordance with inference formula A					
Mobile- communication operator Computer system		(250)Service-start request	(252)Location-information notification		(252)Location-information notification	(252)Location-information notification	(252)Location-information notification		(252)Location-information notification		(252)Location-information notification	(254) Terminal-information notification	Transmit termnal's phone	moving destination(map code)
Mobile- communic User terminal	(250)Service-start request	(252)Location-information	notification	(252)Location-information notification	(252)Location-information	(252)Location-information	IIOCITICACION	(252)Location-information		(252) Location-information	notification	(256)Notification from	mobile communication enterprise	1
User t														







《Detailed information on trains and buses》

The next station is Musashi Nakahara.

Will arrive at Kawasaki terminal at 12:00.

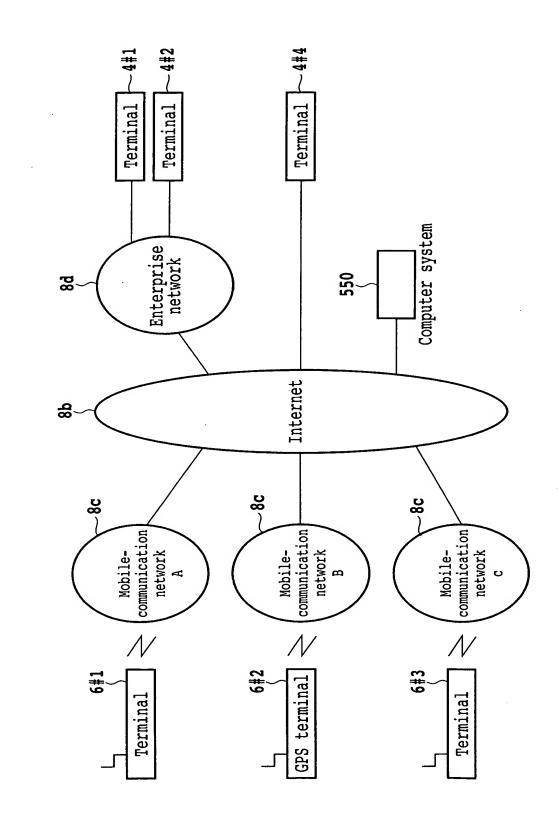
- information on change to another train at Kawasaki station
- infromation on change to another train at
 Musashi Kosugi station.

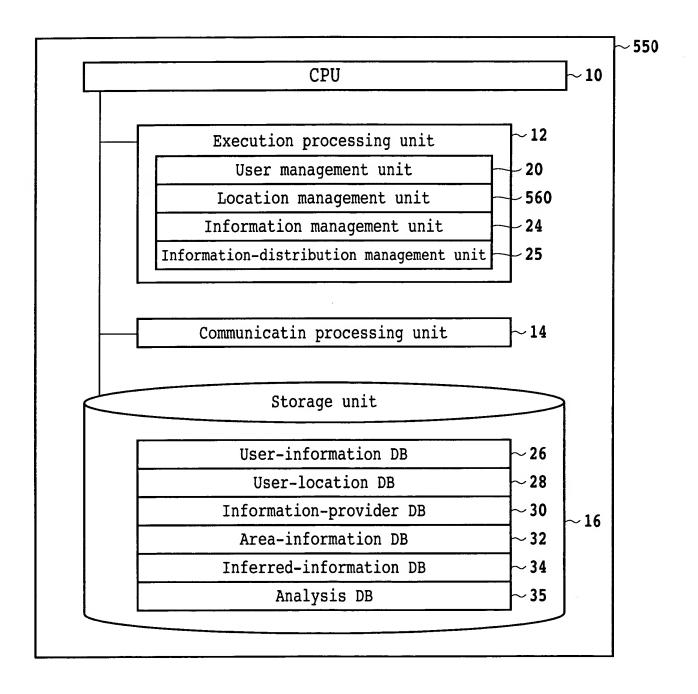
SERVICE

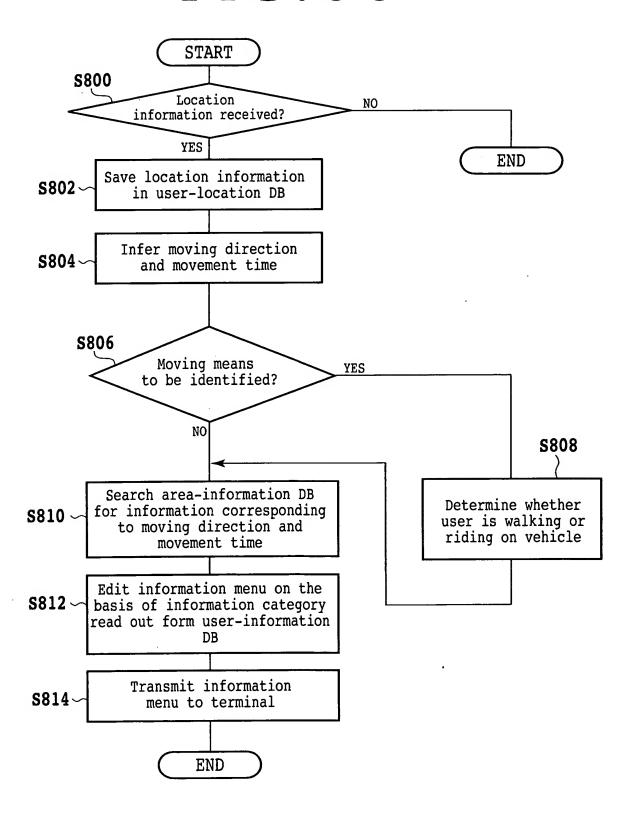
HELP

Detailed-information screen

F I G.64







 $\langle\!\langle ext{Detailed information on resort} \rangle\!\rangle$

Vicinity of Nakahara beach

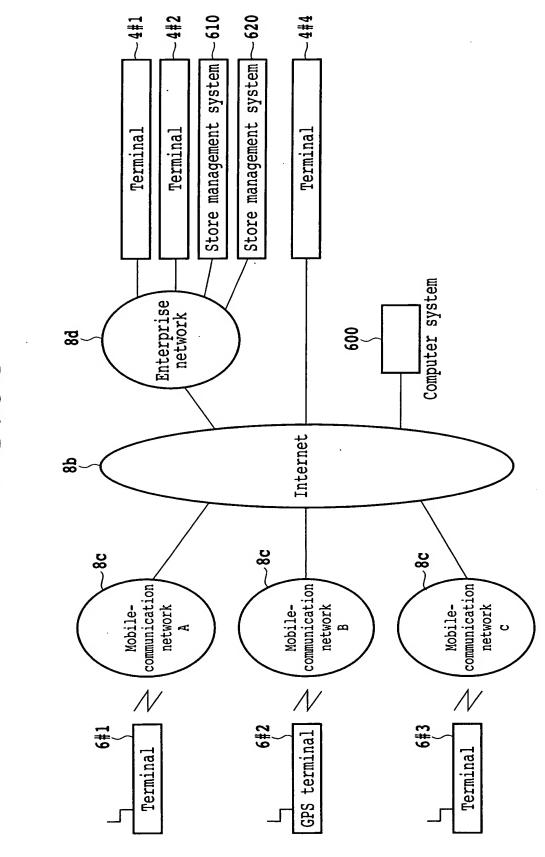
- 1 information on parking lots
- 2 information on seaside cottages
- 3 information on restaurants

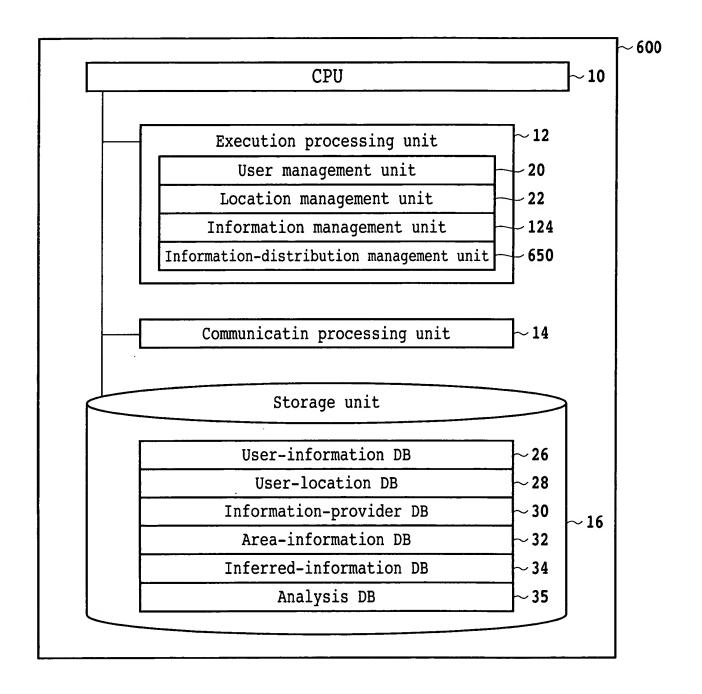
SERVICE

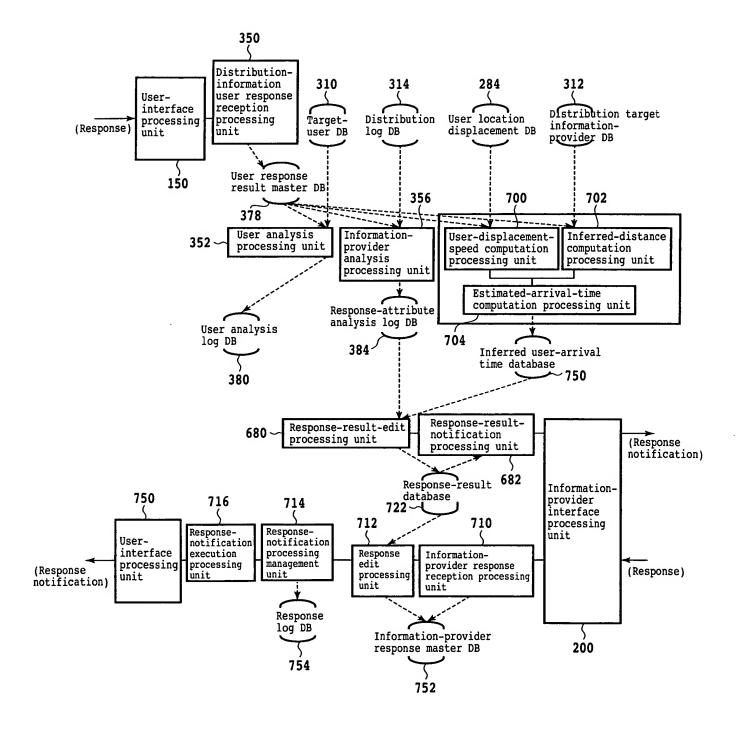
HELP

Detailed-information screen

F I G.68







F I G.71

